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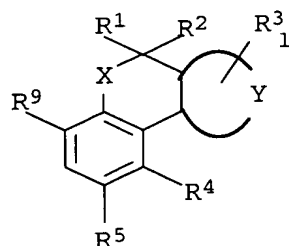
## Tricyclic benzoylpyrazole derivatives

## Abstract

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Tricyclic benzoylpyrazole derivatives of the formula I

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15 where:

X is oxygen, sulfur, S=O, S(=O)<sub>2</sub>, CR<sup>6</sup>R<sup>7</sup>, NR<sup>8</sup> or a bond;

Y together with the two carbons to which it is attached  
 20 forms a saturated, partially saturated or unsaturated  
 5- or 6-membered heterocycle;

R<sup>1</sup>, R<sup>2</sup>, R<sup>6</sup>, R<sup>7</sup> are hydrogen, alkyl, haloalkyl, alkoxy or haloalkoxy;25 R<sup>3</sup> is halogen, alkyl, haloalkyl, alkoxy or haloalkoxy;

R<sup>4</sup> is hydrogen, nitro, halogen, cyano, alkyl, haloalkyl,  
 alkoxy, haloalkoxy, alkylthio, haloalkylthio,  
 alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl,  
 30 haloalkylsulfonyl, unsubstituted or substituted  
 aminosulfonyl or unsubstituted or substituted  
 sulfonylamino;

35 R<sup>5</sup> is hydrogen, alkyl or halogen;

l is 0, 1 or 2;

R<sup>8</sup> is hydrogen, alkyl, haloalkyl, alkylcarbonyl, formyl,  
 alkoxy carbonyl, haloalkoxy carbonyl, alkylsulfonyl or  
 40 haloalkylsulfonyl;

R<sup>9</sup> is substituted pyrazol-4-ylcarbonyl or substituted  
5-oxopyrazolin-4-ylmethylenide;

45 and their agriculturally useful salts;

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processes and intermediates for preparing the tricyclic benzoylpyrazole derivatives; compositions comprising them and the use of these derivatives or of the compositions comprising them for controlling undesirable plants are described.

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